2004/016

DEC 1 7 2008

Application No. 10/815,384 Amendment dated December 17, 2008 Reply to Office Action of September 17, 2008 Docket No.: 103514-0011-103

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for treating tissue using ultrasonic energy comprising the steps of:

applying a medicament to tissue; and

delivering ultrasonic energy from a non-contact distance from the tissue <u>and the medicament</u> to the medicament and to the tissue, wherein the ultrasonic energy is delivered simultaneously with delivery of a liquid spray and has intensity capable of penetrating the tissue to a beneficial depth to provide a therapeutic effect to the tissue, and wherein the ultrasonic energy sonicates the medicament and causes the medicament to penetrate the tissue to a beneficial depth to provide a therapeutic effect to the tissue.

- 2. (Previously presented) The method according to claim 1, wherein the ultrasonic energy has an intensity capable of penetrating the tissue to a beneficial depth to provide a therapeutic effect to the tissue.
- 3. (Previously presented) The method according to claim 1, further including the step of generating the ultrasonic energy with a particular amplitude indicative of an intensity capable of achieving the therapeutic effect.
- 4. (Previously presented) The method according to claim 3, further including the step of generating the ultrasonic energy with a frequency capable of achieving the particular amplitude.
- 5. (Previously presented) The method according to claim 3, wherein the particular amplitude is at least 3 microns.
- 6-7. (Cancelled)
- 8. (Previously presented) The method according to claim 3, wherein the particular amplitude

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is at least 10 microns.

- 9. (Previously presented) The method according to claim 4, wherein the frequency is in the range of 20kHz-5MHz.
- 10. (Previously presented) The method according to claim 4, wherein the frequency is in the range of 20-200kHz.
- 11. (Previously presented) The method according to claim 4, wherein the frequency is in the range of 20-40kHz.
- 12. (Previously presented) The method according to claim 1, wherein the applying step is performed prior to the delivery step.
- 13. (Previously presented) The method according to claim 1, wherein the applying step is performed during the delivering step.
- 14. (Previously presented) The method according to claim 1, wherein the steps of the method are included in a series of treatments wherein another treatment of the series of treatments is selected from the group consisting of:

the treatment including the steps of delivering ultrasonic energy from a non-contact distance to the tissue simultaneous with delivery of a spray to the tissue, wherein the ultrasonic energy has an intensity capable of penetrating the tissue to a beneficial depth to provide a therapeutic effect to the tissue and sonicating the spray for causing the spray to penetrate the tissue to a beneficial depth to provide a therapeutic effect to the tissue;

the treatment including the steps of delivering ultrasonic energy from a non-contact distance to the tissue through a substantial expanse of a substantially purely gaseous medium to the tissue, wherein the ultrasonic energy has an intensity capable of penetrating the tissue to a beneficial depth to provide a therapeutic effect to the tissue; and

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the treatment including the steps of the method of the invention, wherein a different medicament is applied.

- 15. (Previously presented) The method according to claim 1, wherein the medicament is selected from the group consisting of: an antibiotic, an ointment, cream, gel, liquid, salve, oil, powder, antibacterial agent, antiseptic agent, insulin, analgesic agent, conditioner, surfactant, emollient, or other active ingredient.
- 16. (Currently amended) The method according to claim 1, wherein the step of delivering includes the step of providing means for delivering the ultrasonic energy at a distance from 2.5 mm-51 cm from the tissue and the medicament.
- 17. (Previously presented) The method according to claim 1, wherein the therapeutic effect is selected from the group consisting of increasing blood flow to the tissue, providing a local anesthetic effect and stimulating cell growth.

18-36. (Cancelled)

37. (Currently amended) A method for treating a wound comprising the steps of: applying a medicament to a wound;

providing a transducer having a distal radiation surface for generating and emitting ultrasonic energy;

introducing a liquid to the distal radiation surface to produce a spray; and delivering the generated and emitted ultrasonic energy to the wound through the spray from a non-contact distance from the surface of the wound and from the medicament applied to the wound, wherein the generated ultrasonic energy and emitted ultrasonic energy penetrates the wound tissue to a beneficial depth to provide a therapeutic effect for decreasing the healing time for the wound, and wherein the non-contact distance is at least 2.5mm from the surface of the wound.

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- 38. (Previously presented) The method according to claim 37, wherein the generating step includes generating the ultrasonic energy with a particular amplitude indicative of an intensity capable of achieving the therapeutic effect.
- 39. (Previously presented) The method according to claim 38, wherein the generating step further includes the step of generating the ultrasonic energy with a frequency capable of achieving the particular amplitude.
- 40. (Previously presented) The method according to claim 39, wherein the frequency is in the range of 20kHz 5MHz.
- 41. (Previously presented) The method according to claim 39, wherein the frequency is in the range of 20-200kHz.
- 42. (Previously presented) The method according to claim 39, wherein the frequency is in the rage of 20-40kHz.
- 43. (**Previously presented**) The method according to claim 37, wherein said transducer has a radiation surface with a surface area dimensioned for achieving delivery of the ultrasonic energy to the wound with an intensity capable of achieving the therapeutic effect.
- 44. (Previously presented) The method according to claim 37, wherein said transducer has a radiation surface with a rounded perimeter for achieving delivery of the ultrasonic energy to the wound with an intensity capable of achieving the therapeutic effect.
- 45. (Previously presented) The method according to claim 37, further comprising the steps of: providing a transducer for delivering the ultrasonic energy having a radiation surface; and selecting at least one of a size of a surface area of the radiation surface, a shape of a peripheral boundary of the radiation surface, a frequency of the generated ultrasonic energy, and an

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amplitude of the generated ultrasonic energy for achieving delivery of ultrasonic energy to the wound with an intensity capable of achieving the therapeutic effect.

- 46. (Previously presented) The method of claim 37, further comprising the steps of:
 providing a transducer for delivering the ultrasonic energy having a radiation surface; and
 selecting a combination of a size of a surface area of the radiation surface, a shape of a
 peripheral boundary of the radiation surface, a shape of the curvature of the radiation surface
 selected from one of flat, concave, convex and a combination thereof, a frequency of the generated
 ultrasonic energy, and an amplitude of the generated ultrasonic energy for achieving the therapeutic
 effect.
- 47. (Previously presented) The method according to claim 37, wherein the radiation surface is positioned from 2.5mm-51cm from the surface of the wound.
- 48. (Previously presented) The method according to claim 37, wherein the generating step includes the steps of generating the ultrasonic energy with a constant or modulated frequency having a wave form selected from the group consisting of sinusoidal, rectangular, trapezoidal, and triangular wave forms.
- 49. (Previously presented) The method according to claim 37, wherein the liquid does not include a medicament.

50-62. (Cancelled)

63. (Previously presented) A method for treating a wound comprising the steps of:
applying a medicament to a wound;
generating ultrasonic energy having a particular amplitude and a particular frequency; and
delivering the generated ultrasonic energy to the wound through a liquid spray from a noncontact distance from the medicament and from the surface of the wound, wherein the generated

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ultrasonic energy penetrates the wound tissue to a beneficial depth to provide a therapeutic effect for decreasing the healing time for the wound, wherein the particular amplitude is indicative of an intensity capable of achieving the therapeutic effect, and wherein the non-contact distance is at least 2.5mm from the surface of the wound.

- 64. (Previously presented) The method according to claim 63, wherein the ultrasonic energy has an amplitude of at least 3 microns.
- 65. (Previously presented) The method according to claim 63, wherein the ultrasonic energy has an amplitude of at least 10 microns.
- 66. (Previously presented) The method of claim 63, wherein the liquid spray does not include a medicament.
- 67. (Previously presented) The method according to claim 37, wherein the medicament penetrates the wound to a beneficial depth to provide a therapeutic effect to the wound.
- 68. (Previously presented) The method according to claim 63, wherein the medicament penetrates the wound to a beneficial depth to provide a therapeutic effect to the wound.
- 69. (Previously presented) The method according to claim 37, wherein the medicament is selected from the group consisting of: an antibiotic, an ointment, cream, gel, liquid, salve, oil, powder, antibacterial agent, antiseptic agent, insulin, analgesic agent, conditioner, surfactant, emollient, or other active ingredient.
- 70. (Previously presented) The method according to claim 63, wherein the medicament is selected from the group consisting of: an antibiotic, an ointment, cream, gel, liquid, salve, oil, powder, antibacterial agent, antiseptic agent, insulin, analgesic agent, conditioner, surfactant, emollient, or other active ingredient.

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- 71. (Previously presented) The method according to claim 63, wherein the step of delivering includes the step of providing means for delivering the ultrasonic energy at a distance from 2.5 mm-51 cm from the wound.
- 72. (Previously presented) The method according to claim 37, wherein the therapeutic effect is selected from the group consisting of increasing blood flow to the tissue, providing a local anesthetic effect and stimulating cell growth.
- 73. (Previously presented) The method according to claim 63, wherein the therapeutic effect is selected from the group consisting of increasing blood flow to the tissue, providing a local anesthetic effect and stimulating cell growth.
- 74. (Previously presented) The method according to claim 37, comprising delivering ultrasonic energy from a non-contact distance from the medicament and the wound.
- 75. (Previously presented) The method according to claim 63, comprising delivering ultrasonic energy from a non-contact distance from the medicament and the wound.
- 76. (Previously presented) The method of claim 37, wherein the medicament is applied before the ultrasonic energy is delivered to the wound.
- 77. (Previously presented) The method of claim 63, wherein the medicament is applied before the ultrasonic energy is delivered to the wound.
- 78. (Previously presented) The method of claim 37, wherein the medicament is applied during delivery of the ultrasonic energy to the wound.

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- 79. (Previously presented) The method of claim 63, wherein the medicament is applied during delivery of the ultrasonic energy to the wound.
- 80. (Previously presented) The method according to claim 67, wherein the medicament is selected from the group consisting of: an antibiotic, an ointment, cream, gel, liquid, salve, oil, powder, antibacterial agent, antiseptic agent, insulin, analgesic agent, conditioner, surfactant, emollient, or other active ingredient.
- 81. (Previously presented) The method according to claim 68, wherein the medicament is selected from the group consisting of: an antibiotic, an ointment, cream, gel, liquid, salve, oil, powder, antibacterial agent, antiseptic agent, insulin, analgesic agent, conditioner, surfactant, emollient, or other active ingredient.

82-92. (Cancelled)